

QUATTROcare Air Purge Cycle (12/07)

In the past year, all KaVo QUATTROcare units were recalled by the company to be modified with a new adapter to coincide with their redesigned QUATTROcare spray can. Recently, after the return of their QUATTROcare unit, an Air Force dental clinic experienced a problem with handpieces being hard to start and/or running slowly. After consulting with KaVo, it was found that the recently modified KaVo QUATTROcare was not correctly expelling excess lubricant because of a low compressed air setting on the unit. The lack of adequate purging air pressure may have allowed excess lubricant to remain in the handpieces during sterilization and use, possibly causing buildup and thickening of residual lubricant.

KaVo QUATTROcare users are reminded to check compressed air input as stated on page 24 of the QUATTROcare Operating Instructions. The manometer should indicate 4 to 4.5 bar. The air pressure on the clinic's returned unit was set at only 3 bar. DECS checked our own modified and returned QUATTROcare unit and also found that the air pressure was set at 3 bar. This suggests that clinics cannot assume that the modified units will automatically have the pressure set at the recommended level upon return.

The manometer and the adjustment knob are located on the back of the unit next to the air input connector. If the indication is not 4 to 4.5 bar, pull the knob cap out slightly on the pressure regulator and rotate to the left or right until a pressure of 4 to 4.5 is achieved. Push the knob cap back in to lock the adjustment. If a reading of at least 4 cannot be obtained, check further up the air line to insure you have at least 4 bar (58 PSI) being fed into the air line to the QUATTROcare unit.

Also, as stated on page 28 of the QUATTROcare Operating Instructions, the purge air time can be adjusted by depressing the start button while turning on the main power switch. LEDs 1 through 4 will cycle through until the button is released. If released while LED1 is lit, air purge time is 20 seconds; LED2, 25 seconds; LED3, 30 seconds; and LED4, 40 seconds. KaVo currently recommends the use of the highest purge air time setting (40 seconds).

